



# भारत का राजपत्र

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नई दिल्ली, शनिवार, जनवरी 19, 1974 (माघ 6, 1895)  
NEW DELHI, SATURDAY, JANUARY 26, 1974 (MAGHA 6, 1895)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

### PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

### Notifications and Notices issued by the Patent Office relating to Patents and Designs

#### THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 26th January 1974

#### CORRIGENDUM

In the list of holidays to be observed by the Patent Office, Calcutta during the Calendar Year 1974 notified in the Gazette of India dated the 5th January, 1974, Part III, Section 2, the following amendments have been made.

Insert Netaji's Birthday, Wednesday 23rd January, 1974.  
after Id-Uz-Zuha, Saturday 5th January, 1974.  
and

Delete Durga Puja, Tuesday 22nd October, 1974.  
after Id-UI-Fitr, Friday 18th October, 1974.

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

7th January 1974

39/Cal/74. AB Bofors. Driving and steering system for a motor vehicle.

40/Cal/74. The Goodyear Tire & Rubber Company. Method for preparing pigmented polyethylene terephthalate.

41/Cal/74. The British Oxygen Company Limited. Sewage treatment. (8th January 1973).

42/Cal/74. General Signal Corporation. Force balance differential pressure gauge.

8th January 1974

43/Cal/74. Jagat Seth. Improvements in or relating to gantry crane.

44/Cal/74. Jagat Seth. An improvement in or relating to mobile crane.

45/Cal/74. D. C. Jain. A new developed reinforced P.V.C. hose.

46/Cal/74. D. C. Jain. Single stage process and a dispositive for producing reinforced hose pipes of thermoplastics.

427 GI/73

47/Cal/74. C. P. Isern. Method and apparatus for splicing yarns and rovings in textile procedures under axial torsion.

48/Cal/74. G. D. Societa' In Accomandita Semplice Di Enzo Seragnoli E Ariosto Seragnoli. High speed intermittent cycle machine for wrapping pieces of soap and other similar products.

49/Cal/74. G. D. Societa' In Accomandita Semplice Di Enzo Seragnoli E Ariosto Seragnoli. Device for preventing products, particularly packets of cigarettes or similar, from moving backwards when undergoing a change of direction on a transfer line linking an initial machine with a second unit for processing the said products

50/Cal/74. Mahabir Bose. Mahabir bheli maker.

51/Cal/74. Richter Gedeon Vegyexzeti Gyar Rt. Pharmaceutically active new leurosine derivatives and a process for the preparation thereof.

52/Cal/74. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for compressing ketene.

53/Cal/74. Institute De Recherches De La Siderurgie Francaise. Improvements in or relating to shock wave tuyere.

54/Cal/74. A. M. Moen. Plug valve.

9th January 1974

55/Cal/74. Castrol Limited. Improvements in or relating to hydraulic fluids.

56/Cal/74. The Lucas Electrical Company Limited. Slip ring assemblies for rotary electric machines. (23rd January 1973).

57/Cal/74. Dunlop Limited. Pneumatic aircraft tyres. (24th January 1973).

58/Cal/74. Racold Appliances Pvt., Ltd., A battery operated emergency lighting lamp.

59/Cal/74. Henry Devaud. Device for providing a reading of the pressure of a fluid.

60/Cal/74. Sigma Lutin, Narodni Podnik. Chucking head.

61/Cal/74. Nauchno-Issledovatel'sky Konstruktorsko-tehnologicheskoy Institut Shinnoi Promyshlennosti. Tyre building arrangement.

62/Cal/74. Vsesojuzny Ordena Lenina Nauchno-Issledovatel'sky i Proektno-Konstruktorsky Institut Metallurgicheskogo Mashinostroyeniya. Mould reciprocating device of continuous bar casting machine.

63/Cal/74. Vsesojuzny Ordena Lenina Nauchno-Issledovatel'sky i Proektno-Konstruktorsky Institut Metallurgicheskogo Mashinostroyeniya. Hoisting and slewing device of intermediate ladle for continuous casting machine.

64/Cal/74. Vsesojuzny Ordena Lenina Nauchno-Issledovatel'sky i Proektno-Konstruktorsky Institut Metallurgicheskogo Mashinostroyeniya. Mould for continuous blank casting machine.

65/Cal/74. Panchanan Das and Panchu Nath Dolui. Rotary switch.

66/Cal/74. Ciba-Geigy AG. Process for the manufacture of new vat dyestuffs.

67/Cal/74. Industrialised Building Systems Limited. Improvements in or relating to structural building panels.

68/Cal/74. Granges Aktienbolag. Method of carrying out endothermic metallurgical reduction processes with the aid of a continuously operating mechanical kiln.

69/Cal/74. Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Method of and apparatus for tamping and levelling a railway track.

10th January 1974

70/Cal/74. Siemens-Albis Aktiengesellschaft. Improvements in or relating to microwave pulse transmitters. (31st January 1973).

71/Cal/74. Bayer Aktiengesellschaft. New Phenylguanidines, their preparation, and their medicinal use.

72/Cal/74. Bayer Aktiengesellschaft. Process for the preparation of 1, 5-and 1, 8-dinitroanthraquinone.

73/Cal/74. Cummins Engine Company, Inc., Fuel injector.

74/Cal/74. Flow Research, Inc., High pressure fluid intensifier and method.

75/Cal/74. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of 4-bromonaphthalic acid anhydride.

11th January 1974

76/Cal/74. Lifting Equipments & Accessories. Improvements in or relating to dynamometers.

77/Cal/74. Westinghouse Brake and Signal Company Limited. Brake cylinder release valves. (9th February 1973).

78/Cal/74. Rohm G. m. b. H. Chemical treatment of hides.

79/Cal/74. Westinghouse Air Brake Company. Blending valve device for combining fluid pressure and dynamic brakes.

80/Cal/74. American Cyanamid Company. High-solids water process

#### APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE (BOMBAY BRANCH)

26th December 1973

424/Bom/73. K. E. Lalkaka and Z. Noshirwanji A. Nobelite energy.

425/Bom/73. B. V. Rao. An electrical item with a title trimaster.

426/Bom/73. S. M. Nagesh. Dark red pv-6.

427/Bom/73. S. N. Bapat. Improvements in or relating to electrical devices for protection against voltage drop and/or voltage rise.

27th December 1973

428/Bom/73. N. S. Sathaye. Multipleplug.

28th December 1973

429/Bom/73. A.M. Solanki and S. Muthu Mohamed. Improved device for pumping liquids and semi-liquids.

31st December 1973

430/Bom/73. C. R. Nirmal. Use of hydrogen gas as a fuel.

431/Bom/73. C. R. Nirmal. Hydrogen gas generator machine.

432/Bom/73. Balcke-Durr Aktiengesellschaft. A cooling tower.

433/Bom/73. Balcke-Durr Aktiengesellschaft. Cooling towers and methods of assembling cooling tower shells. (15th November 1972).

434/Bom/73 Kores (India) Limited. A ribbon spool mount for a typewriter.

1st January 1974

1/Bom/74. B. B. Jagannath. Filter tipped birce.

2/Bom/74. Centron Industrial Alliance Private Limited. Improvements in or relating to a device for lighting.

3rd January 1974

3/Bom/74. Ravindra Krishna Desai. Triple edged equilateral shaving blade.

4/Bom/74. C. R. Nirmal. Process of laminating plastic of any type such as polystyrene, p. v. c. alkathene polythene or acetate on cups and saucers of any shapes and sizes made from any metal such as aluminium, brass, steel or stainless steel.

#### APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE (MADRAS BRANCH)

1st January 1974

1/Mas/74. K. K. Varughese. A device for cleaning or polishing.

2/Mas/74. O/E/N India Limited. Switch contact section with dust proof cover.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 55E<sub>2</sub> and E<sub>4</sub>

88574

PROCESS FOR THE PRODUCTION OF AN ANTIBIOTIC SUBSTANCE DESIGNATED DANOMYCIN

BRISTOL-BANYU RESEARCH INSTITUTE, LTD., AT 170, 2-CHOME, SHIMOMEGURO, MEGUROKU, TOKYO, JAPAN.

Application No. 88574 filed June 24, 1963.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

2 Claims—No drawings.

The process for the production of an antibiotic substance, designated danomycin, which comprises cultivating a strain of *Streptomyces albaduncus* in an aqueous carbohydrate solution containing a nitrogenous nutrient under submerged aerobic conditions until substantial activity versus Gram-positive bacteria is imparted to said solution and then recovering said danomycin from said solution.

CLASS 32C.

94766.

IMPROVEMENTS IN OR RELATING TO THE PREPARATION OF JATAMANSI ROOT OIL AND THE ISOLATION OF A COUMARIN CONSTITUENT THEREFROM

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-I, INDIA

Application No. 94766 filed July 20, 1964.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

4 Claims—No drawings.

An improved process for the preparation of jatamansi root oil and the coumarin constituent thereof which consists in extracting powdered jatamansi roots with petroleum ether (boiling range 40-60°) at room temperature (20° to 35°C).

CLASS 32F<sub>2</sub>b.

108509

PROCESS FOR THE PREPARATION OF CARBOXAMIDOALKYL-1, 3-BENZOXAZINE

SOCIETA FARMACEUTICI ITALIA, OF 1/2, LARGO GUIDO DONEGANI, MILAN, ITALY

Application No. 108509 filed December 19, 1966.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

4 Claims.

A process of preparing a carboxamidoalkyl-1, 3-benzoxazine of the structure (I) shown in Fig. 1 of the accompanying drawings, wherein R and R<sub>1</sub> may be the same or different and are a hydrogen or halogen atom or a cyano or nitro group or an optionally substituted alkyl or alkoxy radical containing from 1 to 4 carbon atoms; R' and R'' may be same or different and are hydrogen atoms or phenyl groups or optionally substituted alkyl radicals containing from 1 to 4 carbon atoms; and n is 1 or 2; in which an ester of an o. hydroxyarylamino alkyl-carboxylic acid III (shown in Fig 2 of the drawings), wherein R, R<sub>1</sub>, R', R'' and n have the abovementioned meanings and R'' represents an alkyl radical containing from 1 to 4 carbon atoms, is cyclized by condensing with phosgene and the resulting 3-carboalkoxy-alkyl-1, 3-benzoxazine-2-one is reacted with ammonia to give 3-carboxamidoalkyl-1, 3-benzoxazine-2-one.

CLASS 32F<sub>2</sub>a and 32F<sub>3</sub>b.

114974.

PROCESS FOR THE PREPARATION OF 2-ALKOXY-5-N(SUBSTITUTED OR UNSUBSTITUTED) SULPHAMIDO-BENZOIC ACIDS

SOCIETE D'ETUDES SCIENTIFIQUES ET INDUSTRIELLES DE L'ILE-DE-FRANCE, OF 46, BOULEVARD

LATOUR-MAUBOURG PARIS 7E, FRANCE,

Application No. 114974 filed March 13, 1968.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

1 Claim.

A process for preparing 2-alkoxy-5-N (substituted or unsubstituted) sulphamido-benzoic acids, having the general formula shown in figure 1 of the accompanying drawings, in which A is an alkyl or alkenyl radical, of low molecular weight (from 1 to 5 carbon atoms), B is an amino, mono or dialkylamino radical of low molecular weight (from 1 to 5 carbon atoms) in which the alkyl groups may be joined together by the intermediary of a -CH<sub>2</sub>-group, a nitrogen, oxygen or sulphur atom and when this atom is a nitrogen atom it may be linked to an alkyl group of low molecular weight (from 1 to 5 carbon atoms) the rings thus formed being for example, pyrrolidiny, piperidyl, piperazino morpholino or thiazolidinyl, which process comprises treating 2-alkoxy-5-chlorosulphonyl-nitrobenzene with ammonia or with an amine, reducing the 2-alkoxy-5-N (substituted or unsubstituted) sulphamido-nitrobenzene thus formed in a known manner, and diazotising and converting the corresponding amino derivative by the Sandmeyer method and hydrolysing the nitrile to obtain the 2-alkoxy-5-N (substituted or unsubstituted) sulphamido-benzoic acid.

CLASS 32F<sub>1</sub>, F<sub>2</sub>a and 55E<sub>4</sub>.

117635.

PROCESS FOR THE PREPARATION OF NCYCLOALKYLMETHYL ACID AMIDES.

RICHTER GEDEON VEGYESZETI GYAR R. T., OF 63, CSERKESZ UTCA, BUDAPEST X, HUNGARY.

Application No. 117635 filed September 10, 1968.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

2 Claims.

Process for the preparation of N-cycloalkylmethyl acid amide of the general formula I shown in the accompanying drawings, wherein R<sub>1</sub> represents hydrogen or a lower alkyl, cycloalkyl having 5 or 6 carbon atoms, phenyl, substituted phenyl substituted by substituents such as herein described, benzyl or substituted benzyl group substituted by substituents such as herein described, R<sub>2</sub> represents a lower alkyl, cycloalkyl having 5 or 6 carbon atoms, phenyl or substituted phenyl group substituted by substituents such as herein described, X represent hydrogen, chlorine, bromine, iodine or fluorine, a hydroxyl group or a group OR (wherein R represents any of the values stated for R<sub>1</sub>, except hydrogen), and n=1 or 2, in which a cyclopentyl- or cyclohexylmethylamine of the general formula II shown in the drawings, wherein R<sub>1</sub>, X and n have the meanings defined above, is acylated to introduce the acyl group-CO-R<sub>2</sub>.

CLASS 32F<sub>2</sub>b and 55E<sub>4</sub>.

117791.

PROCESS FOR PREPARATING ACYLATED N-(ALKYLAMINOALKYL)-AMINOPYRIDINES.

BAYER AKTIENGESSELLSCHAFT FORMERLY KNOWN AS FARBENFABRIKEN BAYER AKTIENGESSELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Application No. 117791 filed September 23, 1968.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

9 Claims.

A process for preparing a compound of the formula I of the accompanying drawings, in which R'' is a hydrogen atom or an alkyl or alkenyl radical having up to four carbon atoms, and formula II is an azabicycloalkyl radical with 5 to 8 carbon atoms or such a radical having a double bond, and their salts with organic or inorganic acids which comprise acylating an N-(1-azabicycloalkyl-isopropyl)-amino-pyridine of the general formula IV, with an aliphatic acylating agent up to 5 carbon atoms.

CLASS 32F<sub>2</sub>b and 55E<sub>4</sub>.

125210.

## PROCESS FOR THE PREPARATION OF NEW ANTIBIOTICS.

FUJISAWA PHARMACEUTICAL CO., LTD., OF 3, DOSHOMACHI 4-CHOME, HIGASHIKU, OSAKA 541, JAPAN.

Application No. 125210 filed February 9, 1970.

Convention date filed December 24, 1969 (62863/69). U.K.

Appropriate office for opposition proceedings (Rules 4, Patents Rules 1972) Patent Office, Calcutta.

7 Claims.

Process for the preparation of antibiotic compounds of the general formula (A) shown in the accompanying drawings, in which R<sub>1</sub> is a hydrogen atom or a lower alkyl, lower alkyl-carbonyl, aryl-lower alkyl-carbonyl or aryl-carbonyl radical, Y is —N-CH- or —NH-CHR- and R is a lower alkoxy, aryl-lower alkoxy, lower alkylthio, aryl-lower alkylthio or di-(lower alkyl)-amino radical, wherein *Streptomyces achromogenes* var. *tomaymyceticus* ATCC 21353 or a closely related mutant thereof is cultured in a nutrient medium under submerged aerobic conditions until a substantial amount of the antibiotic substance has accumulated; thereafter, if desired, the antibiotic, with or without isolation from the culture broth, is treated with an appropriate alcohol to give a compound of the general formula (B) shown in the drawings, in which R' is a lower alkoxy or aryl-lower alkoxy radical; and, if desired, this compound of the formula (B) is dissolved in a non alcoholic solvent and thereby converted into a compound of the formula (II) shown in the drawings and, if desired, a compound of the formula (B) or (II) is reacted with an acylating agent to give a compound of the general formula (III) shown in the drawings, in which R' is lower alkyl carbonyl, aryl lower alkyl carbonyl or aryl carbonyl radical and Y is —N-CH- or —NH-CHR'- or, if desired, a compound of the formula (B) or (II) is reacted with an alkylating agent to give a compound of the general formula (IV) shown in the drawings, in which R' is lower alkyl radical and Y is —N-CH- or —NH-CHR'-, wherein R' has the same meaning as above, and, if desired, a compound of the formula (III), wherein Y is —NH-CHR'-, is dissolved in a non-alcoholic solvent and thereby converted into a compound of the general formula (C) shown in the drawings, in which R' has the same meaning as above; or, if desired, reacting a compound of the formula (II) with an alcohol, thioalcohol or dialkylamino to give a compound of the general formula (A) defined above, in which R is a lower alkoxy, aryl lower alkoxy, lower alkylthio, aryl-lower alkylthio or di-(lower alkyl)-amino radical.

CLASS 147C, 186E and 206B -G.

132162.

## IMPROVEMENTS IN TELEVISION SYSTEMS.

INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK 22, NEW YORK, UNITED STATES OF AMERICA.

Application No. 132162 filed July 19, 1971.

Convention date filed April 19, 1971 (24508/71) U. K.

Addition to No. 129186.

Appropriate office for opposition proceeding Rule 4, Patents Rules 1972) Patent Office, Calcutta.

8 Claims.

A television receiver suitable for use in a television transmission system in which a plurality of audio signals are transmitted within the spectrum of the video signal by time discrimination, the transmitter having means to produce and transmit a line identification signal and to store each one of the plurality of audio signals occurring during a plurality of frame periods means to transmit the stored audio signal as time compressed audio signals during a number of line periods between the end of the plurality of frame periods and the start of the subsequent frame, said receiver having means arranged to select and store in response to the identification signal one of the time compressed signals and means to read out the stored signal to audio circuits during a corresponding plurality of frame periods subsequent to receiving the time compressed signal.

CLASS 163B<sub>3</sub>.

13216 6

## ALTERNATE IMPELLER ROTARY ENGINE.

SURENDRANATH NAMBIAR, 25/1649, TRIPPUNITHURA ROAD, VYTILA, COCHIN-19, INDIA.

Application No. 132166 filed July 19, 1971.

Post-date April 15, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

11 Claims.

An alternate impeller rotary engine comprising two coaxial impeller shafts, each impeller shaft carrying at least one radical blade, the two blades complementing each other so as to form an enclosed chamber between them and with a housing within which the impeller shafts are mounted, the impeller shafts rotating alternately the extent of rotation of each shaft being limited by the presence of the blade on the other shaft, the said blades performing successively the four strokes of an I. C. engine during their alternate rotation.

CLASS 32E.

132827.

## PROCESS FOR THE POLYMERISATION OF OLEFINS. SOLVAY &amp; CIE, OF RUE DE PRINCE ALBERT 33, B-1050 BRUSSELS, BELGIUM.

Application No. 132827 filed September 8, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

13 Claims—No drawings.

Process for the polymerisation and copolymerisation of alphaolefins, wherein the operation is carried out in the presence of a catalytic system comprising an organo-metallic compound of a metal of Groups Ib, IIa, IIb, IIb and IVb of the Periodic Table and a catalytic element characterised in being obtained by reacting a halogenated alumina with a derivative of a metal of Groups IVa, Va and VIa of the Periodic Table.

CLASS 32E.

132830

## PROCESS FOR THE POLYMERISATION OF OLEFINS. SOLVAY &amp; CIE, OF RUE DU PRINCE ALBERT 33, B-1050 BRUSSELS, BELGIUM.

Application No. 132830 filed September 8, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

8 Claims—No drawings.

Process for the polymerisation of olefins wherein the process is effected in the presence of a catalytic system comprising an organo-metallic compound of a metal of Groups Ib, IIa, IIb, IIb and IVb of the Periodic Table and catalytic element characterised in that said element is obtained by reacting an oxygenous compound of a divalent metal with a fluorinating agent and a derivative of a metal of Groups IVa, Va and VIa of the Periodic Table, the reaction between the oxygenous compound of a divalent metal and the fluorinating agent being carried out at a temperature between 150 and 450°C and that the atomic ratio of fluorine/divalent metal of the product of the reaction between the oxygenous compound of a divalent metal and the fluorinating agent being greater than 1.

CLASS 172B.

132861.

## A METHOD AND APPARATUS FOR PRODUCING OF STAPLE FIBRE YARN.

SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF ROMERSTRASSE 1 1/2, 8070 INGOLSTADT, GERMANY.

Application No. 132861 filed September 9, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

27 Claims.

- In a method for producing staple fibre yarn comprising positively drafting sliver to produce a staple fibre sliverlet, then

twisting the staple fibre sliverlet by means of a twisting part to produce yarn which is then supplied to a bobbin and wound on the bobbin, the improvement comprising the sliverlet being subjected to negative drafting after the positive drafting and simultaneously being twisted in the negative drafting zone in a certain direction.

CLASS 71E. 133455.

#### WORKING EQUIPMENT OF A DRAGLINE EXCAVATOR.

JURY FEDORAVICH SAZHIN, OF SVERDLOVSK, ULITSA FESTIVALNAYA, 5, KV. 24, USSR; EVGENY YAKOVLEVICH TIMOSHPOLSKY, OF SVERDLOVSK, ULITSA 40 LET OKTYABRYA, 30, KV. 10, USSR AND VLADIMIR NIKOLAEVICH TSVETKOV, OF SVERDLOVSK, ULITSA LOMONOSOVA, 19, KV. 16, USSR.

Application No. 133455 filed November 3, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 3 Claims.

A working equipment of an excavator-dragline, comprising a beam with a pulley block suspension whose blocks of the movable casing are mounted on an upright swinging in the longitudinal plane of digging; a bucket; a lifting rope of the bucket; a pulling rope of the bucket, passed to a winch through lower and upper guide blocks, characterised in that the latter block being mounted in the upper portion of the swinging upright in such a manner that its axis is disposed in the direct vicinity to or coincides with the axis of rotation of the blocks of the movable casing of the pulley block, and the angle between the longitudinal axis of the upright and the pulling rope portion between the upper block and the drum of the pulling winch being greater than the angle between the pulling rope portion between the upper and lower guide blocks.

CLASS 27B. 133527

#### HYPERBOLOID BUILDINGS.

TERRANCE J. WATERS, OF 33560 MULHOLLAND HIGHWAY, MALIBU, CALIFORNIA 90265, UNITED STATES OF AMERICA.

Application No. 133527 filed November 8, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 15 Claims.

A building including outer and inner annular supporting frameworks having substantially coaxial vertical axes the major extent of the outer framework being spaced from the major extent of the inner framework, one of the frameworks being hyperboloidal, the hyperbola of revolution defining said hyperboloidal framework being concave in an outward direction away from said axes, said hyperboloidal framework having elongated support members extending downwardly and laterally along hyperboloidal generators and in opposite directions about said axes and means extending generally horizontally and interconnecting said frameworks at different elevations.

CLASS 14C and 126D. 133560.

#### TEMPERATURE SENSING DEVICE.

USS ENGINEERS AND CONSULTANTS ? INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 133560 filed November 10, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 5 Claims.

An arrangement of a vertical series of thermocouples in the wall of a mould for determining the level of molten metal by the greater voltage produced by the first thermocouple below the level of molten metal, the mould wall having a cooling jacket between inner and outer metallic walls and each thermocouple being formed by two parts including the juncture of two different metals as sensing point, wherein the metal of the inner wall constitutes one part common to all thermocouples, the other part of each thermocouple is formed by a probe of a metal

different from the metal of the inner wall, the probe is slidably mounted in the outer wall in insulating relationship thereto and extends through the cooling jacket into metallic contact with the inner wall and a spring forces the probe into said metallic contact, the end of the probe externally of the outer wall forming a terminal of the thermocouple.

CLASS 122 and 142. 133591

#### ELECTROSTATIC FLOCKING OF OBJECTS.

GULAB MADHAVDAS GANGARAM AT 10A CRYSTAL 36 ALTAMOUNT ROAD, BOMBAY-26, STATE OF MAHARASHTRA, INDIA.

Application No. 133591 filed November 12, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

#### 2 Claims.

An apparatus for flocking a predetermined part or the whole of the surface of an object, such surface being first treated with an adhesive material, the apparatus comprising a rectangular cabinet with electrically insulated walls, top and bottom, the front and back walls being transparent, the front wall having a window large enough for the insertion of the object into the cabinet, the interior of the cabinet being provided near its bottom with a horizontal earth-connected flock-filled tray capable of being raised or lowered parallel to the bottom, and the interior of the cabinet being further provided with an aluminium sieve of predetermined mesh resting on two horizontal parallel conducting rods which are connected to the terminals of an electrostat, and the interior of the cabinet being further provided with an earth-connected rectangular aluminium sheet sloping from the back wall leaving an opening between its edge and the front wall, the edge being slightly upturned, the object to be flocked being held rotatably supported from outside the cabinet, the cabinet having at its top an exhaust fan connected to a receptacle like a bag, the electrostat and the exhaust fan placed in series being connected to the mains through the switch located outside the cabinet, the parallel rods supporting the sieve, when energised, creating an electric field whereunder the flock particles rise from the tray and pass through the sieve and impinge upon the adhesive treated surface of the object which is kept turning round, the unused flock particles escaping through the aforesaid opening into the exhaust fan being collected in the receptacle for re-use.

CLASS 60D. 133728.

#### AN IMPROVED HANGER FOR COATS, VESTS AND LIKE CLOTHES.

AUROBRITE (INDIA) PRIVATE LTD., OF EVERGREEN INDUSTRIAL ESTATE, SHAKTI MILL LANE, MAHALAKSHMI, BOMBAY 11, HAVING REGISTERED OFFICE AT 408, HIMALAYA HOUSE, PALTAN ROAD, BOMBAY-1, MAHARASHTRA STATE, INDIA.

Application No. 133728 filed November 24, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 10 Claims.

An improved hanger for a coat, vest and like clothes, comprising support arms and a hook provided at the common angular part of said support arms, a shaped recess being provided in any common angular part of the said arms, for detachably locating an advertising locket therein.

CLASS 32E and 40A<sub>2</sub>. 133776

#### PROCESS FOR THE POLYMERIZATION OF ALKENES

STAMICARBON N. V., OF VAN DER MAESENSTRAAT 2, HEERLEN, THE NETHERLANDS

Application No. 133776 filed November 27, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 22 Claims—No drawings.

A process for the polymerization of one or more alkenes, which comprises effecting the polymerization in a reaction zone at a temperature above 110°C in a liquid organic phase

such as herein described in the presence of a catalyst dissolved therein, the said catalyst being obtained by forming a mixture of a titanium compound such as herein described, a magnesium compound such as herein described except magnesiummono- or dihydrocarbyl and a compound having the average general formula  $\text{AIR}_{3-m}\text{X}_m$ , where R is a  $\text{C}_1\text{--C}_{30}$  Hydrocarbyl group X a halogen atom, and m is a numerical value at least equal to 1 but smaller than 3.

CLASS 95-I 133827

HAND TOOL FOR OPENING SCREW CAPS.

WALTER RUTZ, OF OBERER GRABEN 44, ST. GALEN, SWITZERLAND

Application No. 133827 filed December 1, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 12 Claims.

A hand tool for opening screw caps, comprising a flexible draw cord which is arranged on a handle and which is intended to be placed about the screw cap, characterised in that both ends of the draw cord extend into the handle and are held in the handle in such a way that the loop size of the draw cord is infinitely adjustable and when the loop size needed is attained, is held in that condition.

CLASS 40A<sub>2</sub> and 85G. 133861

FLUIDISED BED APPARATUS AND METHOD  
SPROCKET PROPERTIES LIMITED FORMERLY OF 43, DUKE STREET, AN NOW OF 32A, COCKERTON GREEN, DARLINGTON CO., DURHAM, ENGLAND

Application No. 133861 filed December 7, 1971

Convention date filed December 7, 1970 (57928/70) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 12 Claims

Fluidised bed apparatus comprising a chamber containing a quantity of solid particulate fluidisable material, and a source of pressurized gas in communication with the chamber through a distributor plate in the bottom wall of the chamber, characterised in that the chamber defines four contiguous zones namely a fluidised zone, a defluidised zone to one side of the fluidised zone a suspension zone to the opposite side of the fluidised zone, and a recirculation zone overlying the fluidised zone and extending between the suspension zone and the defluidised zone, the chamber being provided with a gas outlet above the recirculation zone, the distributor plate being situated beneath the fluidisation zone and permitting passage of sufficient gas into that zone to fluidise the particulate material in the zone, and that a further gas inlet means is provided into said chamber adjacent the suspension zone configured to direct the incoming gas into the recirculation zone towards the defluidised zone.

CLASS 97D. 134060

COOKING APPLIANCE FOR HEATING COOKWARE, ESPECIALLY GLASS AND CERAMIC DISHES  
WESTINGHOUSE ELECTRIC CORPORATION OF PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA

Application No. 134060 filed December 24, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

#### 9 Claims

A cooking appliance for heating cookware, especially glass and ceramic dishes, comprising a base with support means for supporting said cookware, heater means for heating the cookware supported on said support means, and control means for said heater means, said control means comprising a thermostatic switch including a temperature responsive element, and a housing enclosing said switch and shielding it from said heater means, said housing including a heat conductive part disposed substantially in thermally non-conductive relationship with respect to the remainder of the housing and in intimate heat transfer relationship with respect to said temperature-responsive element, said part of the housing having reflective inner and outer surfaces except for an outer surface portion which is directed toward the cookware supported on said support means and is highly absorptive to radiant heat energy within the range of cooking temperatures.

CLASS 33F. 134111

SHELL CORE SHOOTER MACHINES SHANTI BHAI AMBALAL PATEL BELLA MILL COMPOUND OUTSIDE SAHARA GATE, SURAT-3, (GUJARAT STATE), INDIA

Application No. 134111 filed December 29, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 10 Claims.

A shell core shooter machine comprising a bed rotatably supported on the direction of its longitudinal axis on two pedestals, the said rotatable bed being provided with at least two heater plates situated above the bed one heater plate being fixed to the bed at its one end while another heater plate being slidably arranged over the bed along two or more guide bars fitted in the bed, the heater plates being adopted for mounting each half of a core box, the bed being further provided with a quick locking mechanism for closing the core box halves by quick closing of the heaters and situated under the bed a closed coupled shooting system consisting of an air reservoir, a valve and sand magazine fitted with a blow plate at its top where in the sand magazine is provided with a quick raising mechanism at its lower side for lifting of the said sand magazine to press said blow plate against the sand inlet hole of the core box, the machine being further provided with vibrator and automatic time indicating devices for shooting of the sand into the core box and curing of the core, the heaters, core box, closed coupled shooting system and the vibrator all being rotatable along with the bed.

CLASS 20B, 86D and 99F 134240

A CONTAINER-CUM-FRAME FOR PHOTO OR MIRROR  
BRAHMA BHARATI UDYOG, 259, KALBADEVI ROAD, JOHARI MANSION, 5TH FLOOR, BOMBAY-2, MAHARASHTRA STATE, INDIA

Application No. 134240 filed January 10, 1972

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

#### 7 Claims.

A container-cum-frame for photo or mirror comprising a substantially hemispherical cup like body provided inside with an inner ring near the top leaving a gap for housing a mirror or a photo and a glass and screwed at the top by means of an annular outer ring the device being further provided with a

separate stand to hold the hemispherical cup the stand being curved hemispherically at the top to hold the said cup like body inside the said curved portion.

CLASS 85C 134258

A METHOD FOR THE MANUFACTURE OF PIG-IRON IN A BLAST FURNACE COMPRISING SUPERSONIC COMBUSTION TUYERES AND A DEVICE FOR CARRYING OUT THE SAME

INSTITUT DE RECHERCHES DE LA SIDERURGIE FRANCAISE, OF 185, RUE PRESIDENT ROOSEVELT, 78 SAINT GERMAIN-EN-LAYE, FRANCE.

Application No. 134258 filed January, 12, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

13 Claims.

A method for the manufacture of pig-iron in a blast furnace comprising supersonic combustion tuyeres travelled through at supersonic speed by a comburant whose feed should be variable in operation between anticipated limits, the spraying of the fuel being achieved by means of a shock-wave, a method wherein the pressure of the blast is maintained upstream of each tuyere, likened to a generating pressure, at a value which permits formation of a shock wave in the delivery nozzle whatever the feed of the fuel, the value of the generating pressure being detected and compared with a reference value and the area of the sonic throat in the tuyere being modified by displacement of a central body in the tuyere so as to maintain the generating pressure always at least equal to a minimum value which ensures formation of a shock wave in the delivery nozzle when the feed of the comburant varies within the anticipated limits.

CLASS 65B<sub>3</sub>. 134371

STEPPING SWITCH FOR REGULATING TRANSFORMERS

EGON SCHEUBECK, OF 5 EICHENSTRASSE, ZEITLARN, REGENSBURG, WEST GERMANY

Application No. 134371 filed January 24, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

4 Claims

A stepping Switch for regulating transformers in which a load selector is adapted to be fitted in a stationary, cylindrical oil vessel closed against the transformer vessel, and carried by a housing part containing a drive, and wherein a preselector is provided for connecting or counterconnecting the step winding, wherein the preselector is formed from known contact members mounted outside on the cylindrical oil vessel, and mating contact members on an outer rotatable cylinder, wherein the rotatable cylinder is suspended by means of a flange, having a rim, into the housing containing the drive, and a coupling element is provided between the flange and the drive and is also arranged outside a circular cross-section necessary for fitting the load selector.

CLASS 208.

134456

A DISPOSABLE FOUNTAIN PEN  
PHILIPP MUTSCHLER, OF BIETHSSTRASSE 20,  
HEIDELBERG, GERMANY (WEST).

Application No. 134456 filed February 1, 1972.

Appropriate office for opposition proceedings  
(Rule 4, Patents Rules 1972) Patent Office, Calcutta.

7 Claims.

A disposable fountain pen having an ink reservoir provided by the interior of its barrel which is closed at one end and plugged at the other by a nib mounting assembly incorporating a nib and an ink feed arrangement characterised in that a seal is provided by a peripheral bead on the assembly pressing tightly against the surrounding barrel at the nib end of the ink reservoir.

CLASS 204

134629

IMPROVED AUTOMATIC WEIGHING MACHINE  
DEJOO TEA COMPANY LIMITED, OF POST OFFICE  
NORTH LAKHIMPUR, ASSAM, INDIA.

Application No. 134629 filed February 16, 1972.

Addition to No. 119215.

Appropriate office for opposition proceedings

(Rule 4, Patents Rules 1972) Patent Office, Calcutta.

2 Claims.

In an apparatus for automatic weighing of materials in batches in a substantially continuous manner, as claimed in Indian patent No. 119215, the improvement which comprises providing on each side of the open top container a small open top chamber (called "cheek pouches"), said "cheek pouches" having communication with said container through passages formed on the side-walls of the container at a selected point in relation to the rotation axis thereof, so that material of low density spills through said passages into said "cheek pouches" and the centre of gravity of the accumulating material is lowered.

CLASS 179G

134737

SELF-VENTING POURING SPOUT.

AMERICAN FLANGE & MANUFACTURING CO. INC.  
OF 30 ROCKEFELLER PLAZA NEW YORK, N. Y.  
10020, UNITED STATES OF AMERICA.

Application No. 134737 filed February 24, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

6 Claims.

A self-venting pouring spout adapted to be pulled up from a retracted stored position within a container to an extended pouring position comprising a substantially cylindrical upper body portion, a circumferential lip at the upper end of said body portion for supporting said spout in retracted position, a lower body portion terminating in a spout base having a lower edge, an annular baffle axially spaced from said spout lower edge and connected thereto by a plurality of axially extending feet forming a series of radially directed openings therebetween and circumferentially spaced about said spout base and a central aperture located in said baffle whereby liquid is dispensed through said central aperture while venting air is simultaneously introduced through said spout in communication with one or more of said radial openings.

CLASS 206E

134759

CIRCUIT ARRANGEMENT HAVING AT LEAST ONE  
CIRCUIT ELEMENT WHICH IS ENERGISED BY  
MEANS OF RADIATION.

N. V. PHILIPS' GLOEILAMPENFABRIEKEN, AT EM-  
MASINGEL 29, EINDHOVEN, HOLLAND.

Application No. 134759 filed February 28, 1972.

Appropriate office for opposition proceedings  
(Rule 4, Patents Rules 1972) Patent Office, Calcutta.



## 31 Claims

A circuit arrangement having at least one circuit element which is energised by means of radiation, characterised in that the circuit arrangement comprises a semiconductor device having a semiconductor body with a first and a second transistor which are arranged in cascade and that the main current of the first transistor is supplied at least mainly by exposing the emitter-base junction of the second transistor to radiation.

CLASS 80A 135338

## IMPROVEMENTS IN AND RELATING TO A LIQUID FILTER.

ROBERT BOSCH GMBH. OF POSTFACH 50, 7 STUTTGART 1, WEST GERMANY.

Application No. 135338 filed April 19, 1972.

Appropriate office for opposition proceedings.

(Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 11 claims

A liquid filter element with at least one spirally coiled filter material strip forming three spiral chambers, a first and a second chamber of which are separated from each other, are disposed opposite each other and are open relative to oppositely disposed axial ends of the filter element, while a third enclosed chamber adjoins the other two chambers so that medium to be filtered and flowing from one axial end to the other axial end of the filter element must flow twice through the strip of filter material, wherein the filter material strip comprises a web folded along its entire length and having at least one ribbon-shaped sealing strip, disposed therealong and between adjacent turns of the folded, spirally coiled web to form the third chamber.

CLASS 32F<sub>1</sub> † F<sub>2</sub>b and 55D<sub>2</sub>. 135573

## PROCESS FOR THE PREPARATION OF NEW OXADIAZOLONE COMPOUNDS.

RHONE-POULENC S.A. OF 22 AVENUE MONTAIGNE, PARIS 8E, FRANCE.

Application No. 369/72 filed May, 31 1972,

Appropriate office for opposition proceedings.

(Rule 4, Patents Rules 1972) Patent Office, Calcutta.

## 3 Claims.

Process for the preparation of oxadiazolone derivatives of the general formula shown in figure II of the accompanying drawings wherein R<sub>1</sub> represents a straight or branched-chain alkyl group containing 1 to 3 carbon atoms, R<sub>2</sub> represents a halogen atom or an alkyl or alkoxy group containing 1 to 4 carbon atoms, and n represents zero or an integer from 1 to 5 inclusive, which comprises reacting phosgene with a hydrazide of the general formula shown in figure III wherein R<sub>1</sub>, R<sub>2</sub> and n are as hereinbefore defined.

CLASS 206E 135577

## IONIC FLAME MONITOR

COMBUSTION ENGINEERING INC. of 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT UNITED STATES OF AMERICA.

Application No. 1037/72 filed August 1, 1972.

Appropriate office for opposition proceedings

(Rule 4, Patent Rules 1972) Patent Office, Calcutta.

## 8 Claims.

A flame monitor for determining the presence or absence of a flame within a flame zone through detection of a flame generated AC voltage, plural electrodes means spaced from one another in said flame zone and having a DC potential applied therebetween for detecting an AC flame signal therebetween when a flame is present; flame signal processing means operatively connected to said electrode means and including coupling means having an input and an output, said input operatively connected across said electrode means for passing, to said output thereof, signal energy characteristic of AC signal energy

appearing at said input thereto, and flame switch circuit means having an input circuit operatively connected to the output of said coupling means and responsive to signal energy appearing thereat for providing an output response commensurate with flame presence when the magnitude of said signal energy is at least as great as a certain value and providing an output response commensurate with flame absence when the magnitude of said energy is less than said certain value; and clamping means operatively connected between said electrodes means and said flame switch circuit means for effecting said flame switch output response commensurate with flame absence when the AC voltage across said electrodes exceeds a predetermined level, regardless of the signal energy passed by said coupling means.

## OPPOSITION PROCEEDINGS

An opposition has been entered by Centron Industrial Alliance Private Limited to the grant of a patent on application No. 130667 made by Harbans Lal Malhotra & Sons Private Limited.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

(1)

125315, 126612, 127520, 128025, 128151, 128647, 128731, 129045, 130261, 131000, 131037, 131204, 131225, 133471.

(2)

125591, 126040, 126325, 126864, 127002, 127156, 127182, 127236, 127248, 127350, 127375, 127378, 127761, 128184, 128420, 128630, 128832, 128872, 129043, 129105, 129154, 129180, 129182, 129183, 129687, 129726, 129999, 130483, 132693, 133533.

(3)

128805, 128847, 128858, 128908, 129052, 129358, 129903, 129980, 129981, 130024, 130289, 130717, 130721, 130874, 130875, 130898, 130965, 131058, 131059, 131063, 131400, 131659, 131766, 131955, 131970, 132155, 132540, 132543, 132622, 132920, 133381, 133477, 133514, 133603, 133774, 134342, 134419, 134715.

(4)

129648, 129700, 129786, 130072, 130131, 130591, 131532, 132107, 132471, 132496, 132809, 133174, 133484.

(5)

129673, 129976, 130522, 130556, 130650, 130773, 130835, 130980, 131045, 131090, 131101, 131110, 131126, 131127, 131237, 131288, 131342, 131468, 131561, 131565, 131595, 131600, 131889, 131898, 132426, 132427, 132490, 132901, 132926, 132962, 133059, 133166, 133464, 133635, 133878, 134055, 134441, 134721, 134755, 134905, 135014, 135358, 135359, 135360.

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130086, 130142, 130203, 130598, 130787, 130847, 131084, 131149, 131188, 131303, 131571, 131922, 131973, 132085, 132253, 132530, 132531, 132878, 133064, 133480, 133761, 133838, 134699, 134786, 134955, 135775, 135244, 135361.

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129416, 130667, 130824, 131185, 131698, 132626, 132943, 133130, 134393, 135362.

(8)

129511, 129724, 130003, 130448, 130945, 131222, 131346, 131454, 131518, 131533, 131534, 131783, 131789, 131873, 131881, 134307, 134395, 134584, 134705, 134920, 135062, 135363, 135364.

(9)

105683, 127333, 129231, 129968, 130315, 130439, 130589, 130651, 130677, 130827, 131007, 131607, 131763, 131764, 131904, 131987, 132296, 132455, 132487, 132832, 133026, 133786, 133789, 133939, 134190, 134276, 134453, 135093, 135111.

(10)

100164, 100181, 101543, 101782, 103661, 103906, 104544, 109610.

(11)

109246.



REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.  
(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

70971—Messrs. Armabord Limited.

96296—Messrs. The S. K. Wellman Corp.,

112847 } —Messrs. Unitika Kabushiki Kaisha.  
104706 }

PATENTS DEEMED TO BE ENDORSED WITH  
THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	Title of the invention
118864 (3-12-68)	Process for producing aluminium.
118870 (4-12-68)	Process for concentrating wet process phosphoric acid by vacuum evaporation.
118881 (6-12-67)	Improvements in or relating to the coagulation of natural latex with anionic surfactants.
118885 (5-12-68)	Process for the production of quinophthalone dyestuffs, the dyestuffs so produced and dyeing and printing hydrophobic materials therewith.
118913 (6-12-68)	Process for the manufacture of terephthalic acid—(β-hydroxyethyl)-esters.
118940 (9-12-68)	Improved process for the production of vinyl acetate.
118941 (9-12-68)	Improved cryogenic process for the separation and liquefaction of gaseous components of the atmosphere.
118942 (9-12-68)	A cryogenic process for the separation and liquefaction of gaseous components of the atmosphere.
118954 (10-12-68)	Method for granulating compound fertilizers.
118990 (12-12-68)	Preparation of mercaptans and sulfides.
118996 (13-12-68)	Process for the production of foamed vinyl Chloride polymers.
118998 (13-12-68)	Terephthalate polyester production by use of relatively coarse terephthalic acid.
118999 (13-12-68)	Activation and reactivation of catalytic activity of solid supported metallic palladium catalysts.
119028 (16-12-68)	Process for the preparation of salts of hydroxylamine and a catalyst for use therein.
119034 (16-12-68)	A method for preparing modified dye pigments.
119035 (16-12-68)	A method for recovering dye pigments.
119037 (16-12-68)	A crylonitrile polymerisates and method of preparing them.
119038 (16-12-68)	Method of regenerating spinning baths for making acrylonitrile threads.
119047 (17-12-68)	A process for the preparation of stable dispersion of optical brightness.
119063 (29-12-67)	Improvements in or relating to the manufacture of titanium dioxide.
119074 (18-12-68)	Method and apparatus for separating components of sugarcane.

2—427GI/73

No.	Title of the invention
119088 (19-12-68)	Production of technical and perfumery grade citronellol from Eucalyptus citriodora oil.
119105 (20-12-68)	Process for the preparation of urea in combination with the synthesis of ammonia.
119106 (20-12-68)	Process for the preparation of urea in combination with the synthesis of ammonia.
119109 (20-6-67)	Process for oxidizing saturated hydrocarbons.
119111 (21-12-68)	Pigment preparation, process for their manufacture, and materials pigmented or brightened therewith.
119113 (21-12-68)	Method of and apparatus for screening pourable granular material.
119116 (21-12-68)	Process for the preparation of anti-dandruff agents and aqueous hair care products containing the same.
119119 (21-12-68)	Production of novel N-trityl-imidazolium salts and fungicidal compositions containing same.
119129 (23-12-68)	Production of N-tritylimidazoles and fungicidal compositions containing same.
119142 (24-12-68)	Improvements in or relating to the production of pale coloured coating materials from cardanol.
119146 (24-12-68)	Process for extracting juice from sugarcane.
119147 (29-5-68)	Process for rearrangement of peroxides of the cyclohexanone.
119158 (26-12-68)	Method of improving the efficiency of a catalyst system useful for the copolymerization of olefins and to a copolymerization process using said catalyst system.
119168 (26-12-68)	Azo compounds, process for their production and materials dyed or printed therewith.
119189 (28-12-68)	Improvements in or relating to the electrolytic preparation of potassium chlorate.
119209 (31-12-68)	Continuous Vinyl polymerization process.
119217 (31-12-68)	Process for preparing an explosive composition and explosive composition prepared thereby.
119253 (2-1-69)	Process for the recovery of pure p-xylene.
119277 (3-1-69)	Process for the manufacture of carbon tetrachloride.
119278 (3-1-69)	Extraction of cellulose from coconut fibre and like fibrous materials.
119294 (4-1-69)	Hydrocarbon reforming process and apparatus.
119306 (6-1-69)	A homogenous granular or pelletized pesticidal composition and process for preparing the same.
119317 (19-1-68)	Processing of green leaf tea.
119324 (7-1-69)	Process for the isomerization of C <sub>8</sub> aromatic hydrocarbons.
119338 (8-1-69)	Improved continuous process of cracking hydrocarbons feedstock and a catalytic cracking unit for the same.
119343 (8-1-69)	Water soluble solvent recovery from a raffinate stream produced by an aromatic extraction process.
119344 (26-4-67)	Method and apparatus for the continuous preparation of an aqueous ammoniated phosphate composition.
119375 (13-1-69)	Production of urea.

## RENEWAL FEES PAID

66362. 66721. 68457. 69929. 70176. 70325. 70363. 70424. 70446.  
 70525. 70569. 70629. 70658. 70733. 70798. 72372. 73041. 74886.  
 74912. 74920. 74921. 74943. 74948. 74962. 74989. 74998. 75001.  
 75078. 75079. 75080. 75198. 75228. 75379. 75981. 76593. 80192.  
 80195. 80197. 80244. 80320. 80352. 80756. 81017. 82881. 85753.  
 86040. 86106. 86130. 86290. 87007. 87008. 87009. 87760. 91648.  
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 91863. 91964. 91969. 91995. 92273. 92304. 92340. 92627. 94419.  
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 97520. 97521. 97562. 97543. 97581. 97734. 97783. 97824. 97832.  
 97991. 97996. 98092. 98335. 99527. 103110. 103111. 103112.  
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 114260. 114365. 114670. 114822. 114892. 116024. 118417. 118512.  
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 124802. 124811. 124815. 124820. 124838. 124839. 124852. 124867.  
 124933. 124974. 124975. 124976. 124950. 124962. 124987. 124998.  
 125001. 125023. 125049. 125180. 125330. 125400. 125448. 125449.  
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 127754. 127983. 127990. 128149. 128378. 128425. 128690. 128792.  
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 129264. 129492. 129672. 129754. 129766. 129770. 129780. 129851.  
 129887. 129895. 129932. 129957. 130091. 130111. 130116. 130283.  
 130440. 130485. 130584. 130644. 130692. 130601. 130595. 131002.  
 131033. 131426. 131496. 131680. 131761. 131788. 131850. 132010.  
 132152. 132280. 132394. 132409. 132519. 132935. 133133. 133854.  
 134049. 134738. 134914.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the designs Act, 1911.

The date shown in, each entry is the date of registration of the design included in the entry.

Class 1. No. 141209. Auro Industries, an Indian Partnership firm, S 302 Panchshila Park, New Delhi-17, "Motor cycle locks", August, 25, 1973.

## COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS.

Design Nos. 134402. 135380. 135325. Class—1.

Design Nos. 131468. 131467. 129682. 134534. 134587. 131693. 131685. 136526. 139478. 135563. Class—3.

Design Nos. 134757. Class—4.

Design Nos. 134024. 120236. 119869. Class—5.

## COPYRIGHT EXTENDED FOR A THIRD PERIOD OF FIVE YEARS.

Design No. 120273. 120274. Class—1.

Design Nos. 113555. 139478. 135563. Class—3.

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Designs and Trade Marks.

